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REMARKS

Substitute Specification

Attached hereto are two substitute specifications, which are in compliance with 37

C.F.R. § 1.52 (a), C.F.R. § 1.52 (b), and C.F.R. § 1.25. One is marked to show changes

made, while the other is a clean copy. The substitute specifications contain no new

matter.

Rejections Based on 35 U.S.C. § 112

Claims 11 and 20-22 stand rejected as allegedly being indefinite. Applicants submit that

the amendments made to claims 11 and 20-22 render these rejections moot.

Claims 1-25 stand rejected as allegedly being indefinite. Applicants respectfully disagree

because they believe that this term is absolutely clear and that the skilled man is fully

aware of the meaning of "molecular weight", i.e. it is the sum of the weight of the atoms

of the polymer. To further clarify this, in claim 1, the term was amended to "average

molecular weight". In light of this amendment, reconsideration and withdrawal of this

rejection is requested.

Rejections Based on 35 U.S.C. § 103

Claims 1-25 stand rejected as allegedly being obvious over Huovinen et al., (U.S.

6,503,993); Pitkanen et al., (U.S. 6,342,564); or Govoni et al., (U.S. 5,610,244).

Applicants respectfully disagree.

Huovinen et al.

Huovinen relates to efficiently nucleated homo- and copolymers and a process for such

compositions. In column 8 it is described that the polymerization reactor system in the

preparation of the propylene homo- or copolymers may comprise one conventional stirred-

tank slurry reactor and at least one gas phase reactor.

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The difference between the teaching of Huovinen and the present invention is that in the

inventive process in the first gas phase reactor a propylene rich ethylene propylene rubber

(EPR) is produced in the propylene polymer matrix, and in the second gas phase reactor, an

ethylene rich EPR rubber is produced in the propylene polymer matrix. Huovinen is totally

silent about this feature. The Office has pointed to example 8 of Huovinen in which it is

stated that the molecular weight of the fraction produced in a first and second loop reactor

(which is different to the gas phase reactors of the present invention) can be controlled by

adjusting the amount of hydrogen fed into the loop reactors. However, molecular weight is

a totally different physical property than the ratio of two components in the overall

composition.

The specific combination of a propylene rich ethylene propylene rubber (EPR) produced in

the propylene polymer matrix in the first gas phase reactor and an ethylene rich EPR rubber

produced in the propylene polymer matrix in the second gas phase reactor leads to a

polymer having more stiffness/hardness to the surface which improves the resistance to

scratch damage. This effect can clearly be taken from the examples 1-5 of the present

invention. Scratch evaluation was carried out by measuring the DeltaL (dL) value by

means of a spectralphotometer, wherein DeltaL > 4 means "strong visibility of scratch" and

DeltaL < 1 means "significant lower visibility of scratch". By using the inventive process,

polymer materials can be obtained which have a dL value of less than 4 and thus, polymers

with an improved scratch resistance can be obtained.

Therefore, Huovinen does not teach, suggest or lead the skilled person to the unexpected

and surprising result obtained using the currently claimed subject matter, i.e., the process as

claimed, using certain specific ethylene/propylene ratios affords a polymer with improved

scratch resistance. Thus, Huovinen does not make the currently pending claims obvious.

Pitkanen et al

Pitkanen does not cure the deficiencies of Huovinen. Pitkanen describes heterophasic

propylene copolymers and a process for their preparation. It is described that in the

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production of the polypropylene copolymer matrix one slurry reactor and then two gas

phase reactors may be used (cf. column 3, lines 54-60). It is further mentioned that

hydrogen may be added into either or both of the slurry phase or gas phase to control the

molecular weight of the polymers of Pitkanen.

Thus, the same comments as above apply here. Pitkanen is totally silent with respect to a

process in which in the first gas phase reactor a propylene rich ethylene propylene rubber

(EPR) is produced in the propylene polymer matrix, and in the second gas phase reactor, an

ethylene rich EPR rubber is produced in the propylene polymer matrix and that the

resulting rubber has an improved scratch resistance.

Therefore, Pitkanen does not teach, suggest or lead the skilled person to the unexpected

and surprising result obtained using the currently claimed subject matter, i.e., the process as

claimed, using certain specific ethylene/propylene ratios affords a polymer with improved

scratch resistance. Thus, Pitkanen does not make the currently pending claims obvious.

• Govoni et al.

Govoni does not cure the defiecencies of Huovinen or Pitkanen either alone, or in

combination. Govoni describes a process for the gas phase polymerization of olefins. The

process may be carried out in one loop reactor and two gas phase reactors. It is also

mentioned that molecular weight regulators may be used in the process to control the

molecular weight.

However, in line with the argumentation with respect to Huovinen and Pitkanen, molecular

weight is not the feature which is decisive in the process of the present invention but the

ratio of ethylene/propylene in the first and second gas phase reactors. Govoni is totally

silent with respect to this feature and the fact that a rubber with an improved scratch

resistance may be obtained using the inventive process and the inventive process

conditions.

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Therefore, Govoni does not teach, suggest or lead the skilled person to the unexpected and

surprising result obtained using the currently claimed subject matter, i.e., the process as

claimed, using certain specific ethylene/propylene ratios affords a polymer with improved

scratch resistance. Thus, Govoni does not make the currently pending claims obvious.

Applicants further submit that each of the above mentioned references, either

alone or in combination, do not make the currently pending claims obvious. Thus, they

respectfully request the reconsideration and withdrawal of this rejection.

CONCLUSION

Applicants respectfully contend that all requirements of patentability have been

met. Allowance of the claims and passage of the case to issue are therefore respectfully

solicited.

Should the Examiner believe a discussion of this matter would be helpful, he is

invited to telephone the undersigned at (312) 913-2114.

Respectfully submitted,

Date: April 9, 2008

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